

cited in the European Search  
Report of EP99109356.8  
Your Ref.: 7027E

29 February 1996

(19)



JAPANESE PATENT OFFICE



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 07284235 A

(43) Date of publication of application: 27 . 10 . 95

(51) Int. Cl.  
H02J 7/10  
H01M 10/44  
H01M 10/48  
H02J 7/00

(21) Application number: 06068564

(71) Applicant: CANON INC

(22) Date of filing: 06 . 04 . 94

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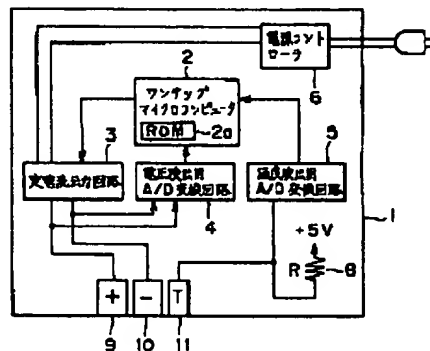
(54) CHARGING APPARATUS AND RESIDUAL  
CHARGE DETECTOR

(57) Abstract:

PURPOSE: To charge a battery automatically after it is decided whether the battery is an Ni-MH battery or not.

CONSTITUTION: When a battery is loaded onto a charger, the voltage of a sensor terminal 11 is measured and it is decided by a one-chip microcomputer 2 whether the measured voltage is higher than 3.0 V or not. If the voltage of the sensor terminal 11 is higher than 3.0 V, it is decided that an Ni-Cd battery is loaded and the charging control by a voltage is performed until the battery is fully charged. If the voltage of the sensor terminal 11 is lower than 3.0 V, it is decided that an Ni-MH battery is loaded and the charging control by a temperature is performed until the battery is fully charged.

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